



Anti-CDV Surface Antigen Monoclonal antibody, Clone A9-2 (DMAB3099)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Canine distemper is a viral disease that affects animals in the families Canidae, Mustelidae, Mephitidae, Hyaenidae, Ailuridae, Procyonidae, Pinnipedia, some Viverridae and Felidae (though not domestic cats; feline distemper or panleukopenia is a different virus exclusive to cats). It is most commonly associated with domestic animals such as dogs and ferrets, although it can infect wild animals as well. It is a single-stranded RNA virus of the family paramyxovirus, and thus a close relative of measles and rinderpest. Despite extensive vaccination in many regions, it remains a major disease of dogs.
Specificity	Specific for surface envelope antigen of CDV.
Target	CDV Surface Antigen
Immunogen	Purified Canine Distemper Virus envelope protein
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	CDV
Clone	A9-2
Affinity Constant	Not determined
Purification	>90% pure (SDS-PAGE). Protein A chromatography
Conjugate	Unconjugated
Applications	Suitable for use in ELISA, IFA and plaque-linked assay. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Suggested pair for testing (Capture - Detection): [DMAB3098](#) - DMAB3099

Procedure	Matched Antibody Pairs
Format	Purified, Liquid
Concentration	4.0mg/ml (OD280nm, E0.1% = 1.4)
Size	1 mg
Buffer	PBS, pH 7.4
Preservative	0.1% Sodium Azide
Storage	Store at 2–8°C.
Warnings	This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes

BACKGROUND

Introduction	Canine DistemperVirus is an enveloped, single stranded RNA virus of the genus Morbillivirus, family Paramyxoviridae. Canine distemper caused by the canine distemper virus (CDV) is a contagious, incurable, often fatal, multisystemic viral disease that affects the respiratory, gastrointestinal and central nervous systems.
Keywords	CDV; Mononegavirales; Paramyxoviridae; Morbillivirus; Canine Distemper Virus